Abstract

Pharmaceutical compositions comprising at least one compound of the formulas (Ia) or (Ib)

and a pharmaceutically acceptable carrier which is useful in a medicine

$$R^2$$
 HO
 OH
 OH
 IB
 HO
 OH
 IB

wherein the symbols, indices and substituents have the following meaning

10 R¹=H, CN, NO₂, CF₃, F, Cl, Br, I, CH₃

R²=H, CN, NO₂, CF₃, F, Cl, Br, I, CH₃, Et, n-Pr, i-Pr, n-Bu, t-Bu, phenyl, thienyl, furyl, thiazolyl and

either R¹ or R² must be H

R³=H, CN, NO₂, CF₃, F, Cl, Br, I, CH₃, Et, n-Pr, i-Pr, n-Bu, t-Bu, phenyl, thienyl, furyl, thiazolyl

then X is e.g.

or

15

20

with R⁴ being H, CH₃, CH₂CH₃

or

or

5

and Y being

or

10

or the pharmaceutically acceptable salts, esters or amides and prodrugs of the above identified compounds of formulas (Ia) or (Ib). The compounds are applied to modulate the in-vitro and in-vivo binding processes mediated by E-, P- or L-selectin binding.